S. Sammamish Area

Lake Sammamish Watershed

City Basin Population (2000): 2,193

Basin Areas: 593 Total Acres

City	338	Acres
King County	254	Acres

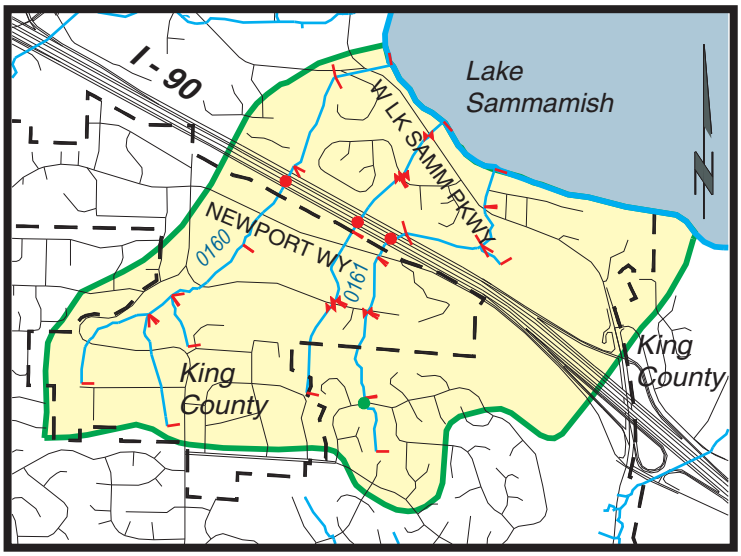
Drainage Jurisdictions: Bellevue, King County, DOT (I-90)

% Impervious	31%
Basin Relief	548 ft
Basin Energy	0.3
Basin Length	mi
Average Basin Width	mi

Total Length of Open Channel 14,296 ft

Land Use Within the City Area

Single family residential	51%
Multi-family residential	0%
Commercial/Office	0%
Industrial	0%
Institutional/Government	0%
Open Space/Park	17%
Mixed use/Misc.	0%
Public streets	32%



SCALE 1" = 2400'

Fish Use: In the westernmost stream, (unnamed, 08-0160) only the three lower segments are within the City of Bellevue boundary. Despite a 716-foot long culvert, which discharges into Lake Sammamish, and a culvert under I-90, Morgenroth (1999) has cited cutthroat presence in all three segments. Our reconnaissance of the area above the lower culvert noted a large sedimentation pond, above which are suitable pool-riffle and step pool sequences. With an average bankfull width of greater than 10 feet and suitable pool habitat, these two segments would likely support significant cutthroat populations.

The middle stream, (unnamed, uncataloged), also contains step pool sequences. However, steep cascades, between 3 and 5 feet tall, contribute to isolation among many of the pools, which averaged less than 4 inches in depth. Due to barriers, steep gradients up to 19%, and a lack of sufficient stream flow, fish use in this stream should be considered possible but unlikely.

The easternmost stream, (unnamed, #08-0161) contains gentle riffles and suitable 8-inch-deep pools through the lower segments, where fish use is expected. Upstream, the gradient increases and stream flow becomes insufficient to support fish. A field survey of the headwater segments and upper tributary found poorly defined channels with apparent seasonal flow but are incapable of supporting fish.